

What is claimed is:

- a!
30. A pharmaceutical compound comprising:
- a) a core material comprising one or more than one active agent, the active agent comprising at least about 80% by weight of the total composition;
 - b) an oil having a melting point above about 110 ° F; and
 - c) where the core material and oil are mixed in a high-shear mixer to form a encapsulated particle.
31. The compound of claim 30, where the oil is a hydrogenated vegetable oil with a melting point range of between about 145° F and about 160° F in an amount of about 5% or less than 5% by weight of the total compound.
32. The compound of claim 30, where the encapsulated particle is a sustained-release particle.
33. The compound of claim 30, where the mixer does not comprise a chopper.
34. The compound of claim 30, where the compound is mixed without using a microwave as a ancillary heat source.
35. The compound of claim 30, where the mixing is performed with a mixer comprising a screw type auger shaft.
36. The compound of claim 30, where the compound is mixed in the high-shear mixer at a speed of between about 400 rpm and about 3000 rpm.

37. The compound of claim 30, where the compound is mixed in the high-shear mixer at a speed of between about 600 rpm and about 2000 rpm.

38. The compound of claim 30 where the active agent comprises a compound selected from the group consisting of ace-inhibitors, anti-anginal drugs, anti-arrhythmias, anti-asthmatics, anti-cholesterolemics, anti-convulsants, anti-depressants, anti-diarrhea preparations, anti-histamines, anti-hypertensive drugs, anti-infectives, anti-inflammatory agents, anti-lipid agents, anti-manics, anti-nauseants, anti-stroke agents, anti-thyroid preparations, anti-tumor drugs, anti-tussives, anti-uricemic drugs, anti-viral agents, acne drugs, alkaloids, amino acid preparations, anabolic drugs, analgesics, anesthetics, angiogenesis inhibitors, antacids, antiarthritics, antibiotics, anticoagulants, antiemetics, antiobesity drugs, antiparasitics, antipsychotics, antipyretics, antispasmodics, antithrombotic drugs, anxiolytic agents, appetite stimulants, appetite suppressants, beta blocking agents, bronchodilators, cardiovascular agents, cerebral dilators, chelating agents, cholecystokinin antagonists, chemotherapeutic agents, cognition activators, contraceptives, coronary dilators, cough suppressants, decongestants, deodorants, dermatological agents, diabetes agents, diuretics, emollients, enzymes, erythropoietic drugs, expectorants, fertility agents, fungicides, gastro-intestinal agents, growth regulators, hormone replacement agents, hyperglycemic agents, hypnotics, hypoglycemic agents, laxatives, migraine treatments, mineral supplements, mucolytics, narcotics, neuroleptics, neuromuscular drugs, non-steroidal anti-inflammatory drugs, nutritional additives, peripheral vaso-dilators, polypeptides, prostaglandins, psychotropics, renin inhibitors, respiratory stimulants, steroids, stimulants, sympatholytics, thyroid preparations, tranquilizers, uterine relaxants, vaginal preparations, vaso- constrictors, vago-dilators, vertigo agents, vitamins, wound healing agents, botanical substances, fungicides, fertilizers, and combinations of the preceding.

39. The compound of claim 30 where the active agent is substantially fat soluble.

40. A method of making encapsulated particles comprising a pharmaceutical compound, the method comprising the steps of:

- a) dispersing a core material comprising one or more than one active ingredient in an amount of at least about 80% by weight of the total compound into a high-shear mixer;
- b) adding an oil with a melting point above about 110°F to the mixer;
- c) melting the oil;
- d) mixing the melted oil with the core material to form encapsulated particles;
- e) allowing the encapsulated particles to cool; and
- f) discharging the encapsulated particles.

cont 41. The method of claim 40, where the method is performed without milling the encapsulated particles before the encapsulated particles are discharged. *NM*

42. The compound of claim 40, where the oil is a hydrogenated vegetable oil with a melting point range of between about 145° F and about 160° F in an amount of about 5% or less than 5% by weight of the total compound.

43. The method of claim 40, where the encapsulated particle is a sustained-release particle.

44. The method of claim 40, where the mixer does not comprise a chopper. *NM*

45. The method of claim 40, where the compound is mixed without using a microwave as a ancillary heat source. *NM*

46. The method of claim 40, where the mixing is performed with a mixer comprising a screw type auger shaft.

47. The method of claim 40, where the compound is mixed in the high-shear mixer at a speed of between about 400 rpm and about 3000 rpm.

48. The method of claim 40, where the compound is mixed in the high-shear mixer at a speed of between about 600 rpm and about 2000 rpm.

a!
cont

49. The method of claim 40 where the active agent comprises a compound selected from the group consisting of: ace-inhibitors, anti-anginal drugs, anti-arrhythmias, anti-asthmatics, anti-cholesterolemics, anti-convulsants, anti-depressants, anti-diarrhea preparations, anti-histamines, anti-hypertensive drugs, anti-infectives, anti-inflammatory agents, anti-lipid agents, anti-manics, anti-nauseants, anti-stroke agents, anti-thyroid preparations, anti-tumor drugs, anti-tussives, anti-uricemic drugs, anti-viral agents, acne drugs, alkaloids, amino acid preparations, anabolic drugs, analgesics, anesthetics, angiogenesis inhibitors, antacids, antiarthritics, antibiotics, anticoagulants, antiemetics, antiobesity drugs, antiparasitics, antipsychotics, antipyretics, antispasmodics, antithrombotic drugs, anxiolytic agents, appetite stimulants, appetite suppressants, beta blocking agents, bronchodilators, cardiovascular agents, cerebral dilators, chelating agents, cholecystokinin antagonists, chemotherapeutic agents, cognition activators, contraceptives, coronary dilators, cough suppressants, decongestants, deodorants, dermatological agents, diabetes agents, diuretics, emollients, enzymes, erythropoietic drugs, expectorants, fertility agents, fungicides, gastro-intestinal agents, growth regulators, hormone replacement agents, hyperglycemic agents, hypnotics, hypoglycemic agents, laxatives, migraine treatments, mineral supplements, mucolytics, narcotics, neuroleptics, neuromuscular drugs, non-steroidal anti-inflammatory drugs, nutritional additives, peripheral vaso-dilators, polypeptides, prostaglandins, psychotropics, renin inhibitors, respiratory stimulants, steroids, stimulants, sympatholytics, thyroid preparations, tranquilizers, uterine relaxants, vaginal preparations, vaso-constrictors, vaso-dilators, vertigo